

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2004/000642

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H01L 23/34, H02M 5/00, G01K 3/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H01L, H02M, G01K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 14, 22 December 1999 (1999-12-22) & JP 11255442 A (TOSHIBA CORP), 21 September 1999 (1999-09-21) abstract  --	1-10
X	PAT4ENT ABSTRACTS OF JAPAN vol. 2000, no. 24, 11 May 2001 (2001-05-11) & JP 2001186775 A (MITSUBISHI ELECTRIC CORP) 6 July 2001 (2001-07-06) abstract  --	1-10

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

18 February 2005

Date of mailing of the international search report

22-02-2005

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0792008 A2 (KABUSHIKI KAISHA MEIDENKA SHINAGAWA-KU), 27 August 1997 (27.08.1997), claims 1-2 --	1-10
X	US 5712802 A (AJITH KUTTANNAIR KUMAR ET AL), 27 January 1998 (27.01.1998), column 2, line 66 - column 3, line 26 -- -----	1-10

## INTERNATIONAL SEARCH REPORT

Information on patent family members

30/01/2005

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				JP	3430773 B	28/07/2003
				JP	9233832 A	05/09/1997
				US	5875414 A	23/02/1999
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US	5712802	A	27/01/1998	DE	69718405 D,T	27/11/2003
				EP	0832450 A,B	01/04/1998
				WO	9739397 A	23/10/1997
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